

GILA RIVER BASIN

09471700 FENNER WASH NEAR BENSON, AZ

LOCATION.--Lat 31°58'49", long 110°12'57", SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.5, T.17 S., R.21 E., Cochise County, Hydrologic Unit 15050202, at Interstate 10, 4.3 mi east of Benson.

DRAINAGE AREA.--2.71 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1962	00-00-62	¹ 950		1970	07-00-70	615	
1963	07-30-63	896		1971	08-03-71	250	
1964	00-00-64	110	ES	1972	09-07-72	649	
1965	10-17-64	70	ES	1973	00-00-73	48	
1966	08-00-66	300	ES	1974	07-19-74	225	
1967	09-24-67	330		1975	07-22-75	50	
1968	10-03-67	27		1976	00-00-76	220	
1969	08-30-69	40		1978	00-00-78	² 290	HP

¹Highest since 1958.

²Highest since 1972.

Magnitude and probability of instantaneous peak flow based on period of record 1962-76, 1978

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2	5	10	25	50†	100†
50%	20%	10%	4%	2%	1%
196	501	798	1,290	1,740	2,270
Weighted skew	(logs) =	-0.22			
Mean	(logs) =	2.27			
Standard dev.	(logs) =	0.50			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
93.8	5.4	4,180	0.0	1.0	12.3	1.7	4.3

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